

I claim:

1. A high capacity ink supply apparatus comprising a high capacity tank, an ink cartridge and a duct bridging the high capacity tank and the ink cartridge, wherein:

5 the high capacity tank includes a closed container for holding ink that has an air intake device and a check valve which allows the ink to flow in one direction;

 the ink cartridge is mountable in an ink cartridge housing of an inkjet printer and includes an ink chamber which has a duct connector
10 extending from one side for connecting one end of the duct, the ink cartridge further has an ink outflow device on a lower side corresponding to a nozzle of the inkjet printer to allow the ink to flow out; and

 the duct is a hollow tube.

- 15 2. The high capacity ink supply apparatus of claim 1, wherein the air intake device is a check valve located in a first dock cavity on one side of the bottom of the closed container.

3. The high capacity ink supply apparatus of claim 1, wherein the check valve has an outlet end which is coupled with another duct connector to connect
20 another end of the duct.

4. The high capacity ink supply apparatus of claim 1, wherein the air intake device is an air inlet located on the top end of the high capacity tank.

5. The high capacity ink supply apparatus of claim 1, wherein the check valve

is located in a second dock cavity on another side of the bottom of the closed container.

6. The high capacity ink supply apparatus of claim 1, wherein the ink outflow device is a check valve.

5 7. The high capacity ink supply apparatus of claim 1, wherein the ink outflow device has an outlet which is sealed by a membrane.

8. The high capacity ink supply apparatus of claim 1, wherein the closed container is housed in an outer casing.

9. A high capacity ink supply apparatus comprising a high capacity tank, an
10 ink cartridge, an imitated outer cartridge, and a duct bridging the high capacity tank and the ink cartridge, wherein:

the high capacity tank includes a closed container for holding ink that has an air intake device and a check valve which allows the ink to flow in one direction;

15 the ink cartridge is mountable in an ink cartridge housing of an inkjet printer and includes an ink chamber which has a duct connector extending from one side for connecting one end of the duct, the ink cartridge further has an ink outflow device on a lower side corresponding to a nozzle of the inkjet printer to allow the ink to
20 flow out;

the imitated outer cartridge is formed in a profile matching an original ink cartridge of a corresponding brand and has a core trough for housing the ink cartridge, and

the duct is a hollow tube.

10. The high capacity ink supply apparatus of claim 9, wherein the air intake device is a check valve located in a first dock cavity on one side of the bottom of the closed container.
- 5 11. The high capacity ink supply apparatus of claim 9, wherein the check valve has an outlet end which is coupled with another duct connector to connect another end of the duct.
12. The high capacity ink supply apparatus of claim 9, wherein the air intake device is an air inlet located on the top end of the high capacity tank.
- 10 13. The high capacity ink supply apparatus of claim 9, wherein the check valve is located in a second dock cavity on another side of the bottom of the closed container.
14. The high capacity ink supply apparatus of claim 9, wherein the ink outflow device is a check valve.
- 15 15. The high capacity ink supply apparatus of claim 9, wherein the ink outflow device has an outlet which is sealed by a membrane.
16. The high capacity ink supply apparatus of claim 9, wherein the closed container is housed in an outer casing.
17. The high capacity ink supply apparatus of claim 9, wherein the imitated
20 outer cartridge has a plurality of core troughs for housing ink cartridges of multiple colors.